

AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

On page 3, the paragraph beginning on line 8:

Conventional techniques have had several problems. For example, conventional techniques have been unable to escape placement of requirements on resources (e.g., existing resources need ~~no~~ changes and new resources need ~~not~~ to implement a particular interface).

On page 8, the paragraph beginning on line 3:

The present invention may be useful across diverse programming spheres. However, in an exemplary application, the invention addresses the need for integrating variable business logic authoring with existing application artifacts. As such, the invention imagines a computer application divided in two main parts: the first part is comprised of "constant logic" that is coded, ~~compiled~~ compiled, and deployed by persons skilled in the art of computer programming; the second part is comprised of "variable logic" that is composed and engaged by persons who are not. Much must be done to hide complexities from non-programmers when providing logic authoring capabilities.

On page 12, the paragraph beginning on line 18:

A virtual resources authoring application programming interface (API) 130 is selectively connected to the tool ~~110~~ 120 and to a virtual resources repository 140 for reading therefrom and writing thereto. A virtual resources accessing API 135 is provided with a read-only capability in relation to the virtual resources repository 140. The repository 140 may be in XML or could be provided in other languages or representations.

On page 14, the paragraph beginning on line 1:

The Modeling Tool 150 utilizes the logic authoring API 160 to read/write from/to the logic repository 180. Repository ~~190~~ 180 stores therein serialized objects (e.g., logic) which may refer to virtual resources.

On page 19, the paragraph beginning on line 22:

Thus, for example, one could define a "virtual car" which has various attributes on it by accessing a virtual resources repository 410 through a virtual resource access API 420, and one could then, at time t0, author logic (e.g., through application authoring process 430) based on the "virtual car". However, at some point the virtual car must be associated with the actual car. Until such is done, the virtual resources are incomplete. If the virtual resources are complete, then the virtual resources can be transformed into usable entities at runtime. Hence, if one attempted to run at time t0 when the repository 410 is incomplete and the authoring process 430 is in progress, some of the virtual resources have not been mapped or translated into actual resources, and thus there would be no runtime since the translation process would fail.

On page 22, the paragraph beginning on line 3:

FIG. 6 illustrates a structure 600 showing a cloaking (e.g., hiding from the user) and re-naming state according to the present invention. Such features in the context of FIG. 1 would be provided, for example, when creating the virtual resources, in the operation between the ~~vital~~ virtual resources authoring API 130 and the virtual resources repository 140, and, when looking at them (e.g., accessing them), in the operation between the virtual resources accessing API 135 and the virtual resources repository 140.

On page 25, the paragraph beginning on line 1:

Similarly, with regard to Virtual Resource 2 (830) the user could navigate to virtual resource 3 (840) which might be "shopping preferences". Additionally, using virtual resource 3 (850), navigation can occur to either virtual resource 2 (860) or virtual resource 4 (865). Finally, as shown in FIG. 8, using virtual resource 4 (870) as a root, it is possible to obtain virtual resource 3 (880) through navigation.

On page 39, the paragraph beginning on line 8:

Whether contained in the diskette 1400, the computer/CPU 1311, or elsewhere, the instructions may be stored on a variety of machine-readable data storage media, such as DASD storage (e.g., a conventional "hard drive" or a RAID array), magnetic tape, electronic read-only memory (e.g., ROM, EPROM, or EEPROM), an optical storage device (e.g. CD-ROM, WORM, DVD, digital optical tape, etc.), ~~paper~~ "punch" cards, or other suitable signal-bearing media including transmission media such as digital and analog and communication

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4

links and wireless. In an illustrative embodiment of the invention, the machine-readable instructions may comprise software object code, compiled from a language such as "C", etc.